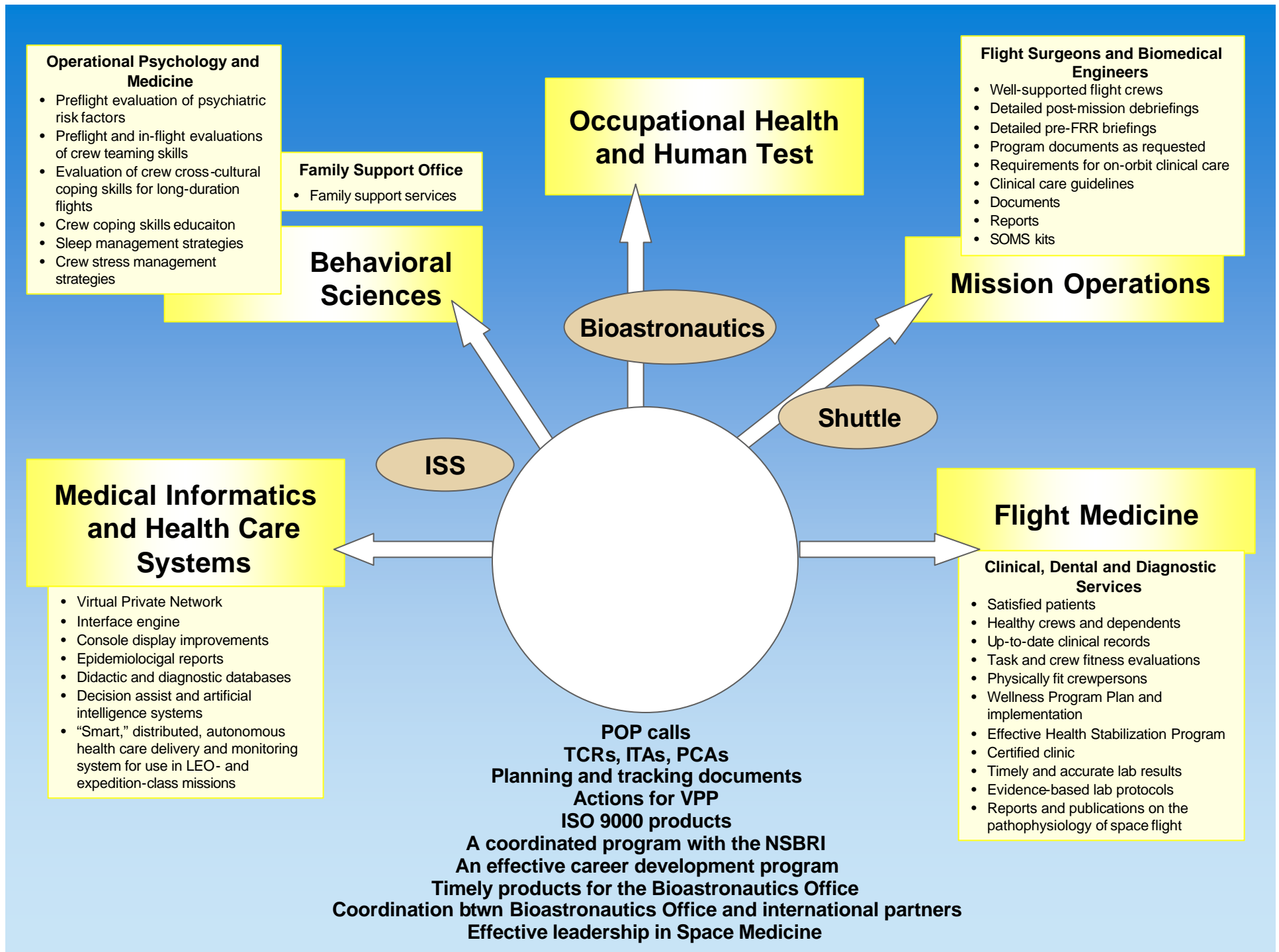
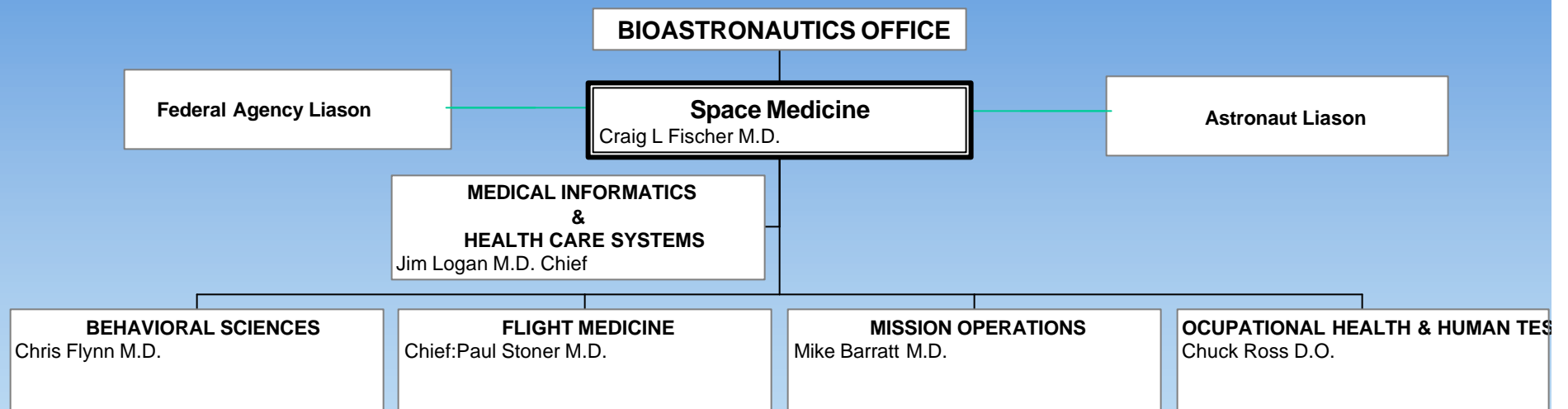


00-PPMI-120

Bioastronautics Office Space Medicine Program



Reorganization



Space Medicine

Chair: AMB
Chair:MSMB
Member: SMRB
(MSDCCB)

Space Medicine
Craig L. Fischer M.D. Asst. Director for Space Medicine
Deputy: Jon Clark M.D.
Nitza Cintron M.D., PhD. Principal Coordinating Scientist

Clinical Research
Nitza Cintron M.D., PhD

Career Development /CME Officer TBD
NSBRI Co-ordinator*** : TBD

Technical Administrator * Phil Mortalaro
Office Administrator **Mary Petrovics

RESPONSIBLE FOR:

- Overall Management of Space Medicine Program
- Budget & Budget Performance
- Performance Metrics*
- Work Flow Monitoring*
- JSC Program Support (Inspections, Open House, etc.)**
- Safety Issues,VPP**
- Facility Management**
- ISO-9000 Issues*
- NSBRI Coordination for Space Medicine***
- Space Medicine Review Board(MSDCCB)
- Aerospace Medicine Board
- Membership on the Multinational Space Medical Board
- Designing, Implimenting and Tracking
a Career Development Program
- Response to Action Items assigned by Bioastronautics Office

Note: The Principal Co-Ordinating Scientist will be dual assigned to both the Clinical Research Program,
of the Research and Countermeasures Office and the Space Medicine Office

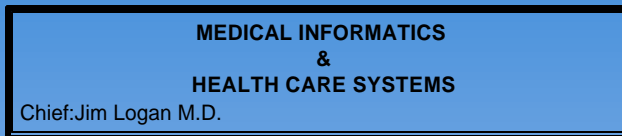
DELIVERABLES:

- POP Calls
- TCR's,ITA's, PCA's
- Planning and Tracking Documents
- Actions for VPP
- Iso 9000 Products
- A Co-ordinated Program with the NSBRI
- An Effective Career Development Program
- Timely Producs for the Bioastronautics Office
- Coordination between Bioastronautics Office and the International Partners
- EFFECTIVE LEADERSHIP IN SPACE MEDICINE

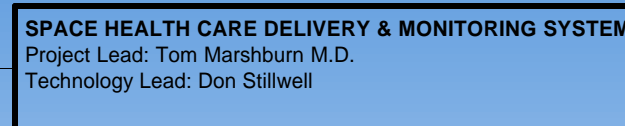
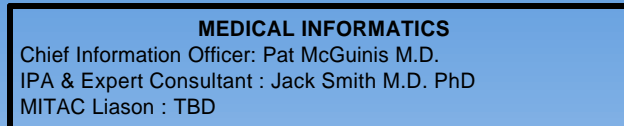
Note: The Asst. Director for Space Medicine will be the Chair of the Aerospace Medicine Board and the Bioastronautics representative to the Multi-National Medical Policy Board.



Medical Informatics and Health Care Systems



WBS TRACE: 3.8 & 3.9 + Augmentation



RESPONSIBLE FOR:

-Co-Ordinating With all Elements of Bioastronautics

CMIS

- Clinical Research Data Base
- Clinic (Acute Care) Data Base
- Aeromedical Data Base
- Longitudinal Study of Astronaut Health
- Coordinate with Archival Data Base
- Development of Didactic & Diagnostic Data Bases
- Selection of Artificial Intelligence Concepts
- Mission Support (Communication & Data Distribution)
- Data Display Concepts Based on Cognitive Theory
- Medical Data Security

DELIVERABLES:

- Virtual Private Network (Local, Regional & International Use)
- Interface Engine
- Console Display Improvements Based on Cognitive Theory
- Epidemiologic Reports
- Didactic & Diagnostic Data Bases
- Decision Assist & Artificial intelligence systems

RESPONSIBLE FOR:

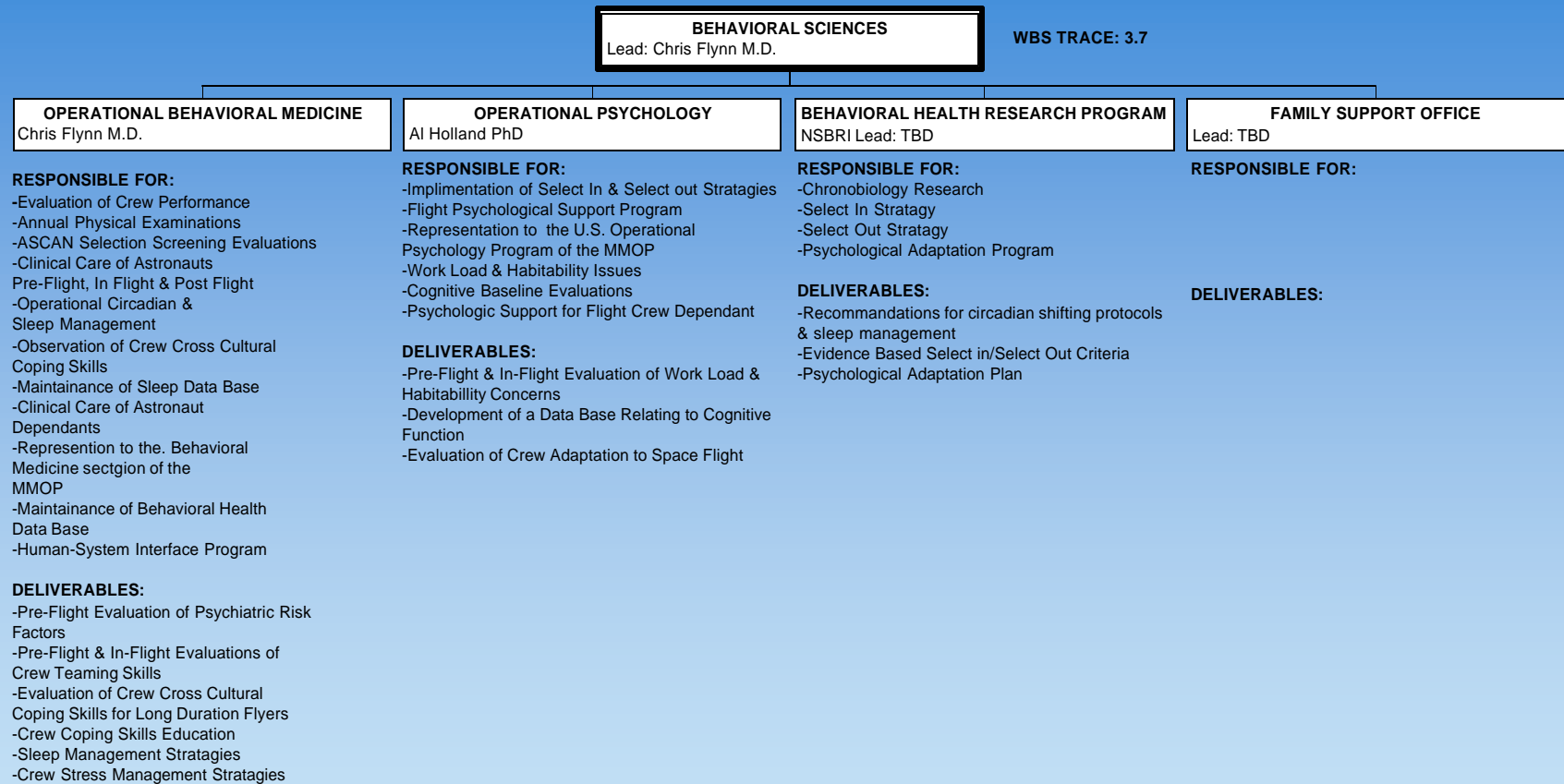
- Cordinating with all elements of Bioastronautics-
- Sensor Selection, Acquisition & Integration (Conjoint Effort with NASA-AMES ,JPL, NSBRI-Johns Hopkins Advanced Physics Laboratory, DOD & MITAC)
- Integration of Data Bases (Didactic & Diagnostic)
- Integration of Decision Assist & Artificial Intelligence Systems
- Development of Integrated Space Health Care Delivery and Monitoring System Prototypes
- Coordinate with the Mission Integration & planning group for Flight Hardware Fabrication
- Support Mission Analogs with Appropriate Health Care Systems
- Integration of Advanced Concept & Nanotechnology
- On Orbit Training & Proficiency Maintenance Concepts (Virtual Reality etc.)
- ISS Hypobaric Chamber Project
- Dessemination of NASA Technology for Public Use

DELIVERABLES:

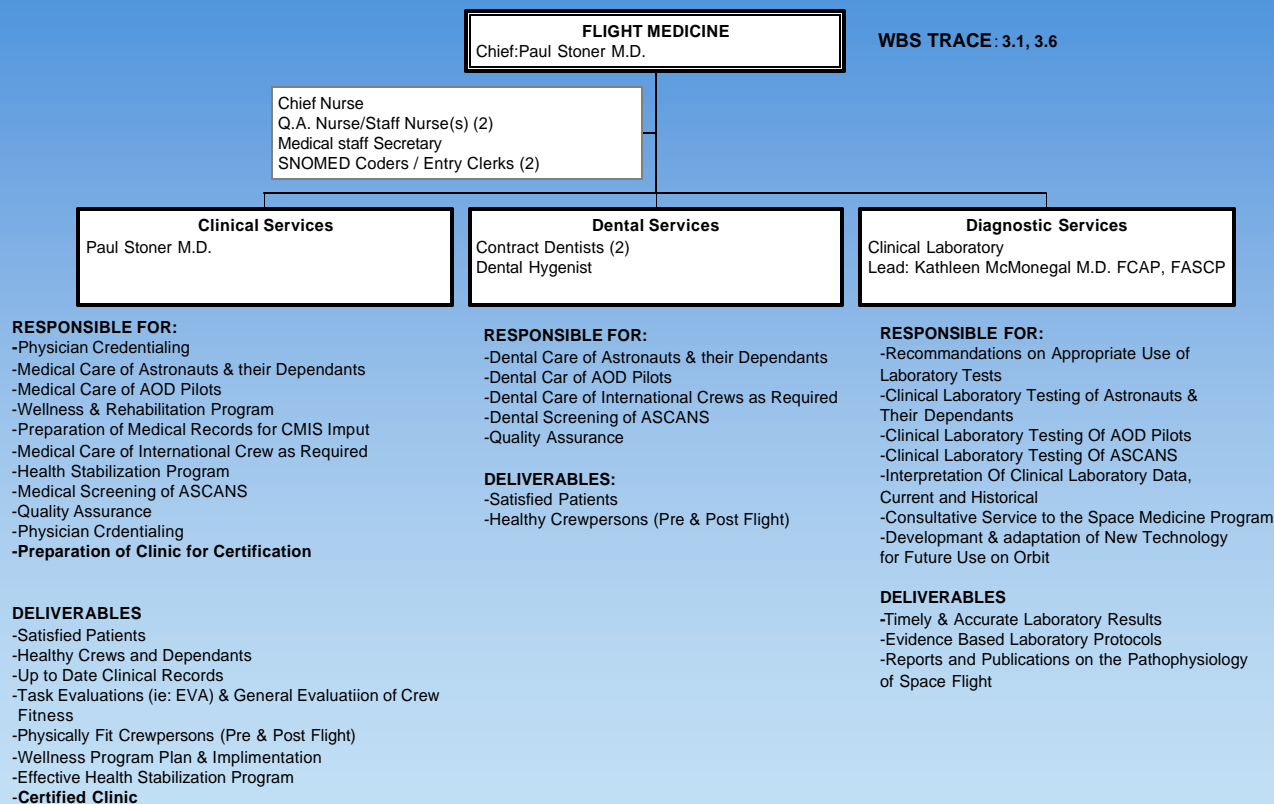
A "Smart", Distributed, Autonomous Health Care Delivrey & Monitoring System with Trainingy & Proficiency Maintenance Capabilities for use in LEO & Expidition Class Missions.



Behavioral Sciences

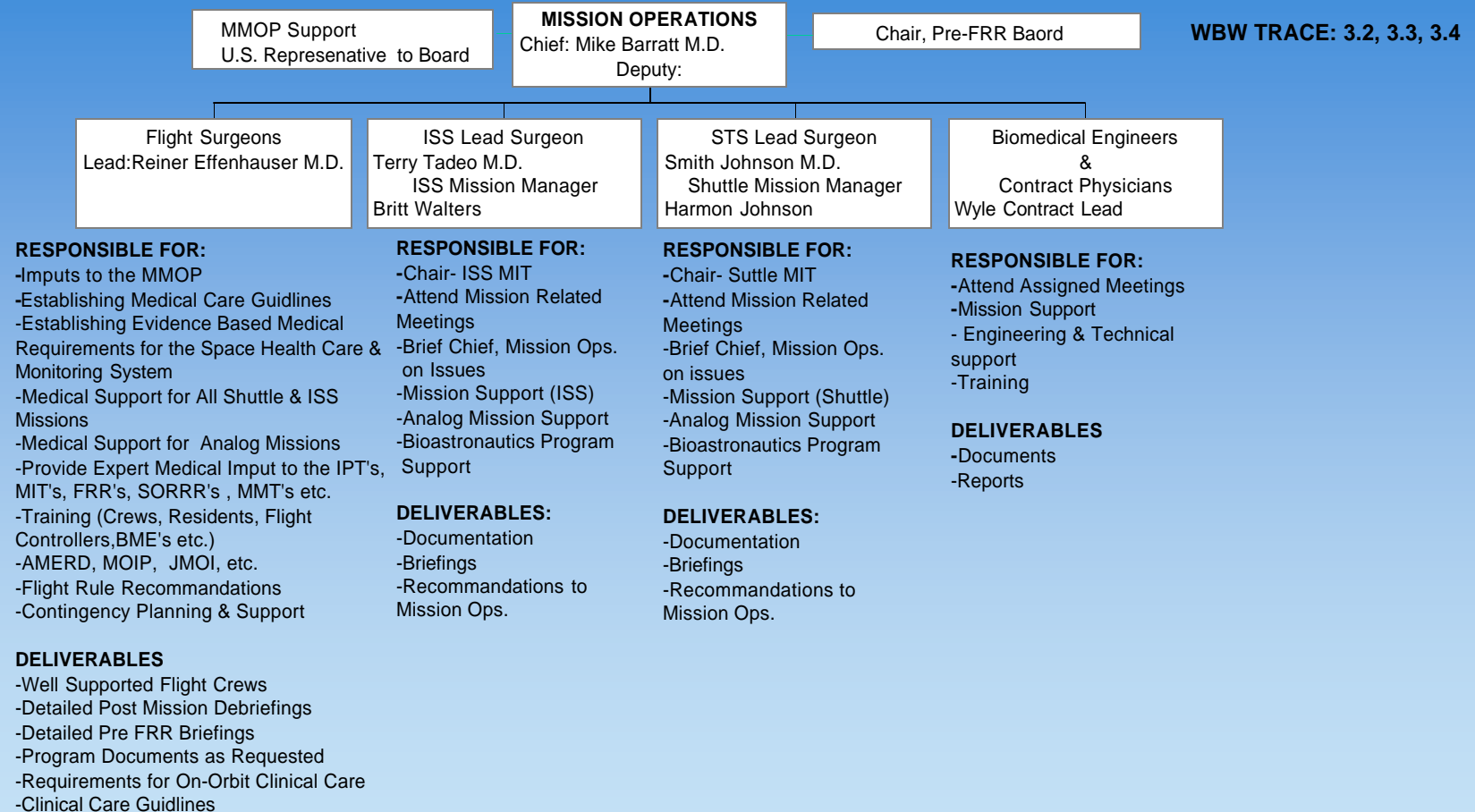


Flight Medicine

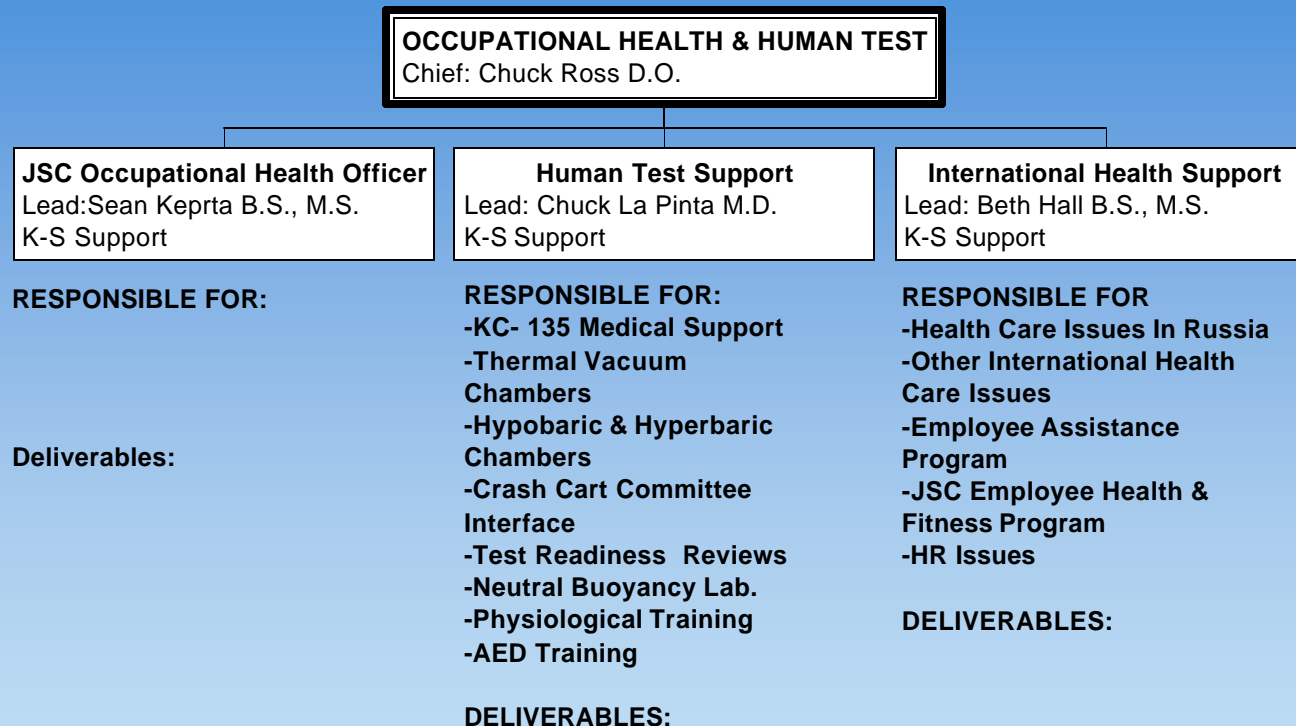


Note: All Flight Physicals will be performed by a Mission Operations Flight Surgeon

Mission Operations



Occupational Health and Human Test



Note: Assigned Flight Surgeons will be responsible for monitoring there crewpersons at the NBL, KC-135 Flights and Chamber runs.